## 

 $\textcircled{1} \ \square \ \stackrel{f(\lambda)}{=} \ \square \ \square \square$ 

 $\exists \ \square \ ^{\mathcal{Y}=\ f(x)} \ \square \square \square \ ^{\mathcal{X}_{\square \square \square \square}} \ A_{\square} \ B_{\square \square \square \square \square} \ A_{\square} B_{\square \square \square \square \square} \ X_{\square \square \square} \ f(x) < 0_{\square}$ 

$$0 \ge 0 \le f(x) = m_{0 \le 0 \le 0 \le 0 \le 1} X_{0} = x_{2} = x_{3} = x_{4} < x_{2} = x_{3} = x_{4} < x_{2} = x_{4} =$$

0100000 <sup>f(x)</sup>00000

$$4002021$$
  $0 \bullet 00000000000$   $f(x) = lnx - ax(a_{00000})$ 

0100 a > 100000 f(x)

$$200 \xrightarrow{a...} \frac{3\sqrt{2}}{2} \underset{00000}{0000} g(x) = 2 f(x) + x^2 \underset{000000}{00000} x_0 x_2(x_1 < x_2) \underset{00}{0} t = \frac{lnx_1 - lnx_2}{x_1 - x_2} \underset{00}{0} y = (x_1 - x_2)(\frac{2}{x_1 + x_2} - t) + \frac{2}{3}$$

$$f(x) = \frac{1}{2}x^2 + \ln x + nx \qquad (n \in \mathbb{R})_{\square}$$

0100 f(x) 0000000000 m000000

$$\frac{f(x) + f(x_2)}{2} - f(\frac{x + x_2}{2}) > \frac{(m+2)^2}{8}$$

 $f(x) = \frac{1}{x} - x + 2a \cdot \ln x$   $0 = \frac{1}{x} - x + 2a \cdot \ln x$   $0 = \frac{1}{x} - x + 2a \cdot \ln x$ 

 $7002021 \bullet 000000000 \ f(x) = e^x + ax + b_{000} \ y = f(x) \\ 000 \ (1_0 \ f_{010}) \\ 00000000 \ e^{x-} \ y- \ 2 = 0_0$ 

010000 f(x) 000000000  $f(x)...x-1_0$ 

 $f(x_0) < g_{\prod 1 \prod} < y_0$ 

 $8002021 \cdot 000000000 f(x) = 2lnx \cdot 2nx + x^2(m > 0)$ 

0100000 <sup>f(x)</sup>00000

 $200 \frac{m.}{2} \frac{3\sqrt{2}}{2} 00000 f(x) 0000 f(x) 0000 X_{000} A_{0} B_{0000000000} X_{0} X_{0}(x_{1} < x_{2}) 000 AB_{000000000} X_{0}$ 

9002021  $\bigcirc \bullet$ 00000000  $f(x) = \ln x - ax^2 + (2-a)x_{\square}$ 

 $AB_{0000000}$   $X_{0000}$   $f(X_0) < 0_0$ 

010000 <sup>F(x)</sup>000004- 2h2 00 m

11002021  $\bigcirc \bullet$  000000000  $f(x) = x^2 + (a-2)x - alnx(a>0) <math>\bigcirc$ 

0100 <sup>f(x)</sup> 000000

 $\frac{f(x_1)-f(x_2)}{x_1-x_2} < f(x_0)$ 

 $2000 \quad \mathcal{Y} = f(\mathbf{X}) \quad A(\mathbf{X}_0 \quad f(\mathbf{X})) \quad B(\mathbf{X}_0 \quad f(\mathbf{X}_0)) \quad 000000000 \quad AB_{0000} \quad C(\mathbf{X}_0 \quad \mathbf{Y}_0) \quad 0000 \quad \mathbf{X}_0 \dots \mathbf{1}_0$ 

$$x_{2}(x_{1} < x_{2}) = 0 \quad | x_{1} + x_{2} | \dots \frac{3\sqrt{2}}{2} = x_{1} - x_{2} = h(x) = hx - f(x) + hx = 0$$

 $0 100 \stackrel{a \in (-2,0)}{=} 000 \stackrel{f(x)}{=} 000000$ 

$$\lim_{n\to\infty} a = 1_{n\to\infty} (x_1 - x_2) h(\frac{x_1 + x_2}{2}) ... 2h2 - \frac{4}{3}$$

 $f(x) = \frac{1}{3}ax^{2} + \frac{1}{2}bx_{2} + cx(a,b) \in R \ a \neq 0)$ 

$$g(x) = k(x) - \frac{1}{2}x - \frac{1}{2}(x) - \frac{1}$$

010000 <sup>K(X)</sup>00000

$$\prod_{0 \leq t \leq t \leq t} h(x) = \ln x^2 - (2m + 3)x + \frac{12 f(x)}{x}(x > 0) \\ = \lim_{0 \leq t \leq t \leq t} \chi_0(x) = \lim_{0 \leq t \leq t} \varphi(x) = \ln x - 3x^2 - 2x \\ = \lim_{0 \leq t \leq t} \frac{3\sqrt{2}}{2}$$

$$y = (x - x_1)\varphi'(\frac{x + x_2}{2})$$

 $0 = f(x) + ax_{00000}$ 

$$a < -\frac{1}{2} \underbrace{ \prod_{i \in [X_i]} X_i \in (1_{i-1} + \infty)(X_i < X_i) \prod_{i \in [X_i]} X_i \in (X_{i-1} X_i) }_{ X_i \in (X_{i-1} X_i) \prod_{i \in [X_i]} f(X_i) = \underbrace{ f(X_i) - f(X_i) }_{ X_i - X_i} \underbrace{ \prod_{i \in [X_i]} f(X_i) }_{ X_i - X_i}$$

$$\frac{X_2 + X_1}{2} < X_0$$

 $010000 g(x) = f(x) + ax^2 - (a+2)x(a>0) 000000 g(x) 000000$ 

$$20000 \stackrel{F(x)}{=} f(x) - \frac{X}{e^x} _{000} (1,2) _{00000} X_{000} m(x) = min\{f(x) _{00} \frac{X}{e^x}\} _{000} f(x) = n(n \in R) _{0000} (1,+\infty) _{00000000}$$

$${\scriptstyle \square} \stackrel{X_1}{\scriptstyle \square} \stackrel{X_2}{\scriptstyle (X_1 < X_2)} {\scriptstyle \square \square \square \square} \stackrel{X_1}{\scriptstyle X} + \stackrel{X_2}{\scriptstyle X} > 2 \chi_{\scriptstyle \square}$$

$$\lim_{x \in [-1_0]} x \in [-1_0] \lim_{x \in [-1_0]} \frac{1+x}{1-x}, \quad \vec{e}^x, \quad \frac{1}{(1-x)^2} \lim_{x \in [-1_0]} x \in [-1_0]$$

 $\bigcirc \bullet$  00000000000  $f(x) = \ln x + x^2$ 

$$010000 h(x) = f(x) - 3x_{0000}$$

 $F(X_i)$ ) and an analysis of the second contract of the second cont



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